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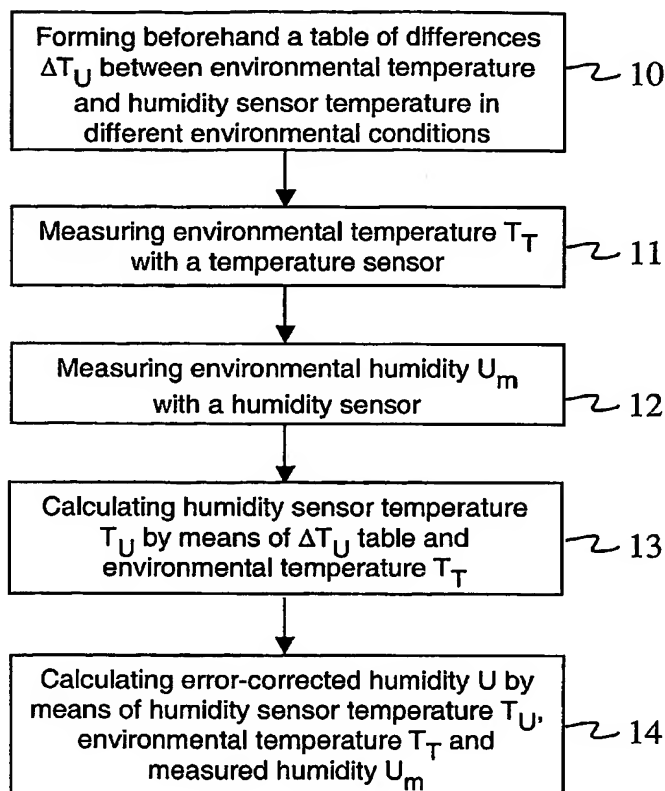
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- (71) Applicant (for all designated States except US): VAISALA OYJ [FI/FI]; Vanha Nurmijärventie 21, FI-01670 Vantaa (FI).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): PAUKKUNEN, Ari [FI/FI]; Vuorilehdonkuja 1 B 1, FI-01200 Vantaa (FI).

[Continued on next page]

(54) Title: CORRECTION OF HUMIDITY MEASUREMENT RESULTS OF A RADIOSONDE



(57) Abstract: The invention relates to a method for correcting humidity measurement results of a radiosonde, especially for errors resulting from radiative heat exchange. The method comprises measuring (12) environmental humidity  $U_m$  with a humidity sensor in the radiosonde, determining a current value of at least one environmental conditions parameter, and calculating (14) error-corrected humidity  $U$  directly or indirectly by means of said measured environmental humidity  $U_m$  and a correction value corresponding said at least one current environmental conditions parameter value.



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